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demonstration

PROBOIL. Descaling Guide


The filter system provided with PROBOIL will help to prevent of the calcification (scaling) of the boiler. However it will be required from time to time that the PROBOIL will need to be descaled, drained and refilled to ensure the maximum energy efficiency and service life from the product especially in hard water areas. Descaling solutions can be obtained by contacting the service agent shown on the label on top of the boiler.

Ensuring that the filter system is set up correctly and replaced as required will reduce the frequency of descaling required. If you are regularly needing to descale the PROBOIL system then you either need to replace the filter more frequently or check the bypass setup of the filter system.




WARNING: Harmful if swallowed. Irritating to eyes and skin. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. If swallowed, seek medical advice immediately and show this container or label.

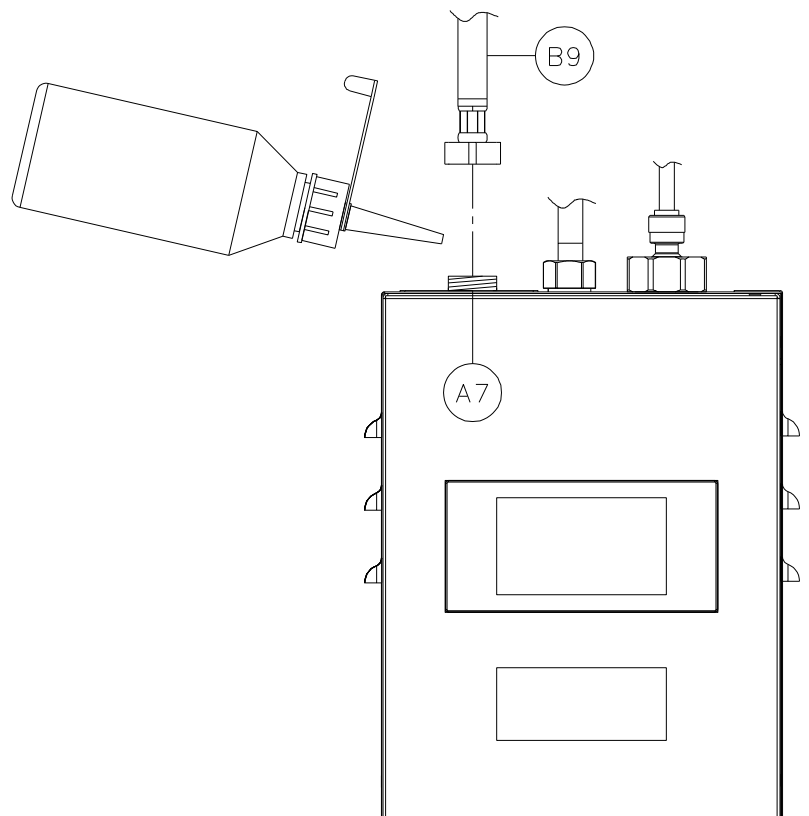
Ingredients: Sulfamic Acid. Country of origin USA. See www.proboil.co.uk for further information and SDS.

 The descaling chemical is acidic and should only be used and handled as indicated, care should be taken not to ingest, expose to skin, clothing or decorative surfaces. Take care when touching all surfaces and when disconnecting or connecting hoses they may be hot and or generate steam, you must use personal protective wear to prevent accidental scalding.


1. If required, adjust the PROBOIL temperature to 80°C (see [user guide](#) for more details).
Only If the boiler is already set to a temperature higher than 80°C then dispense at least 1 litre from the boiler using the key fob, now allow the boiler to fully fill and heat. Once completed then switch off the PROBOIL at the front control panel (see user guide / [powering down](#) for more details).

2. Wait until the flexible connector (B9) has cooled to a safe touch temperature, this may take some time.


3.  Ensure the flexible connector (B9) is cool to the touch before proceeding, afterwards unscrew by hand the flexible connector (B9) from the top of the boiler.
Wear suitable gloves to ensure your safety.





4. If the boiler is only lightly calcified (scaled) use 1 x 200ml descaler liquid bottle, if the boiler is heavily calcified use 2 x 200ml descaler bottles, if you are unsure we recommend you use 2 x 200ml bottles.
5. Shake the bottle gently then carefully cut the top of the bottle nozzle open with a pair of scissors.
6. Carefully and slowly empty the contents of the descaler bottle into the boiler vent (A7), if access for the bottle nozzle is difficult a plastic funnel can be used to help.

 Take care during this step as steam is expected to exit the vent (A7) as the descale solution is added.

7. Take note of the time and wait for **no longer than 30 minutes maximum** for the descaler liquid to work. It is normal for an odour to be present during this time.
8. Firmly reattach the flexible connector (B9) to the boiler vent (A7). **Wear suitable gloves to ensure your safety.**
9. Switch on the PROBOIL at the front control panel (see user guide for more details).
10. Dispense the entire contents of the boiler using the key fob, before immediately switching off the PROBOIL at the front control panel (see [using the product](#) for more details).
11. Drain the remaining water from the tank (see [draining section](#) of the user guide for more details).
12. Close the drain (A12).
13. Switch on the PROBOIL at the front control panel (see [using the product](#) in user guide for more details).
14. Allow the PROBOIL to fully fill and heat to back to a maximum temperature of 80°C this process will take a minimum of 20 minutes, again it is normal for an odour to be present during this time.
15. Repeat steps 10-12 draining the boiler entirely.
16. Disconnect and stow the drain pipe (A14) & connector (A13) securely replace the drain cover (A11) and screw (A10).
17. If required, adjust the temperature to your previous preference (see [user guide](#) for more details).

 Should any taste or odour persist in normal use after flushing the unit twice, repeat the flushing procedure as described in steps 10 to 14 until it subsides.

 In the event that the boiler is heavily scaled and following the above steps did not remove all the scale, repeat the complete descaling procedure. If further descaling does not clear any descale warning on the PROBOIL, please contact the service agent using the labelled contact details on top of the boiler.

 If misplaced you can download a copy of the full user guide at www.proboil.co.uk